

Orbital Delivery of Non-Persistent Ionizing Radiation for Deniable Sabotage of Agricultural Seed

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Introduction

The ability to deliver focused high-energy electromagnetism from ranges of hundreds of miles opens the door to a new and disturbing form of agricultural sabotage.

Abstract

Although we have already explored a number of applications for soliton technology including focusing X-Rays for equipment sabotage (using beams focused to areas of about a foot in width,) orbital submarine detection, RADAR beam distortion, photo-magnetic propulsion systems and high-bandwidth SATCOM just to name a few, an X-Ray beam confined with soliton sheathing, focused to an area the size of a building, could be used to effectively sterilize all of the agricultural seed such as rice, corn, wheat, oats, etc. from orbit.

The centralization of commercial seed storage and the increasingly prevalent practice of GMO seeds being manufactured with the property of Programmatic Next-Generation Sterility mean that farmers are entirely dependent upon a handful of major seed providers to deliver healthy seed each and every planting season. If anything were to happen to these seeds on a large scale prior to delivery, famine would undoubtedly be the result.

To be useful, sabotage efforts must be deniable and in the case of this program, cannot leave residual radiation in their wake. X-Ray irradiation sufficient to corrupt the DNA of seed would completely dissipate even from metallic components of buildings within days. Such buildings are not equipped with X-Ray detectors.

Central storage facilities are unoccupied much of the year and their vacancy may be verified prior to the engagement of a focused X-Ray weapon to prevent any suspicious cancers from potentially betraying foul play.

The bombardment of fewer than a dozen identified storage facilities with X-Rays sufficient to sterilize the seed contained therein would likely be sufficient to produce famine on an unprecedented scale, effectively attenuating the potential military and economic threat posed by the adversary.

Unlike biological approaches; which would be readily identified as foul play and would likely adversely impact our own crops; this approach would cause catastrophic harm in the medium term, could be repeated for multiple successive years, and would likely be attributed by the adversary nation to the incompetence of their own seed manufacturers.

It would not be clear until midway through the growing season that the

nation's seed had been compromised, and by then it would be too late for the adversary nation to attempt to secure replacement seed in time to restart the sowing process within the same year.

Mutated crops would potentially act as a weed in the soil of the adversary country and would frustrate any future growing seasons.

Conclusion

A famine of sufficient intensity would likely indirectly lead to a systemic collapse of both the industry and military of the affected nation within a year of the irradiation of the stored seed.